PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-067238

(43)Date of publication of application : 07.03.1990

(51)Int.Cl.	C07C 39/08
	C07C 37/01

(21)Application number : 01-175784   (71)Applicant : GENERAL ELECTRIC CO <GE>

(22)Date of filing :   10.07.1989   (72)Inventor : FOX DANIEL WAYNE

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(30)Priority

Priority number : 88 217026   Priority date : 11.07.1988   Priority country : US

(54) RECOVERY OF DIVALENT PHENOL FROM SCRAP POLYESTER

(57)Abstract:

PURPOSE: To obtain divalent phenol advantageously in a high yield by a method in which, after specified scrap polyester is contacted with a specified ammonia aqueous solution and an alkyl, chloride to form two liquid phases, these are separated into an upper phase and a lower phase, and the divalent phenol is separated from the latter.

CONSTITUTION: An aromatic polyester selected from a polycarbonate, a copoly(ester carbonate), and a polyarylate is contacted with an ammonia aqueous solution (preferably ammonium hydroxide) which is strong enough to break the ester linkage and an alkyl chloride (preferably methylene chloride) which can dissolve the polyester at least partially to form two liquid phases composed of an upper aqueous phase and a lower alkyl chloride phase containing ammonium phenolate (divalent). Next, the upper phase is separated from the lower phase, and divalent phenol is recovered from the lower phase so that divalent phenol, especially bisphenol A, is obtained relatively rapidly and simply in a good recovery ratio.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]